AMSAT News Service Weekly Bulletins
Issue: ANS-047
Date: 1991-02-16
Sources: amsat-ans-1991-ans-047.01.txt

SB SAT@AMSAT < W3IWI $ANS-047.01
LUSAT UPDATE
R:910217/1718z 43799@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

HR AMSAT NEWS SERVICE BULLETIN 047.01 FROM AMSAT HQ
SILVER SPRING, MD FEBRUARY 16, 1991
TO ALL RADIO AMATEURS BT

LO-19 BBS Now On-line

At 16 FEB 91 3:13:55 UTC, the LUSAT command stations completed the loading of the file system and BBS. The entire load was handled by LU stations, and the first uploaded message is from Dr. Carlos Saul Menem, LU1SM, President of the Argentine Republic. This brings all three of the "Pacsat Protocol" spacecraft on line, a total of 20 MB of "rotating storage".

Following was downloaded from LO-19:

LUSAT BBS is available!
Finally, all the tests have been completed in LUSAT, and the BBS is available for use by worldwide radio amateurs.
To access LUSAT with PG the PG.CFG file must have the following lines:

ao16access 30660   (same as used for PACSAT)
bbscall lusat-12
bdcstcall lusat-11

The rest of the commands on PG.CFG are the same as used for PACSAT.
We invite you PACSAT users to join us on LUSAT, and wish you all a lot of fun using this little bird.

73, Marcelino - LU7DSU
AMSAT Argentina - LUSAT Engineering Group.

[ANS thanks Harold Price, NK6K, for the information for this bulletin]

/EX
SB SAT@AMSAT < W3IWI $ANS-047.02
MICROSAT UPDATE
R:910217/1718z 43800@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

HR AMSAT NEWS SERVICE BULLETIN 047.02 FROM AMSAT HQ
SILVER SPRING, MD FEBRUARY 16, 1991
TO ALL RADIO AMATEURS BT

WO-18 reloaded, TNC Bug Discovered

Chris Williams, WA3PSD, of the WEBERSAT Engineering Team reports that WO-18 was blown back to MBL during commanding earlier today. With the generous help of the microsat command team, the reload is in progress. They expect to be shooting pictures again by early next week.

Bob McGwier, N4HY, reports that by modifying the Phase Set Point parameter on LO-19, significant improvement to the eye pattern and I/Q channel separation was realized. During the next Wednesday's Experimenters day (20 February 91), provided that there are no other higher priority commands which must be issued, Bob plans to modify the Phase Set Point on PACSAT.

There have been some reports that the new version of PG.EXE does not work well with AEA TNCs. Bob McGwier has come up with the winning combination of parameters to make the two play together (nicely):

Place the following commands in PG.TNC:

```
MON 4
MTO yes bbstat
MFROM off
```

and put the following in PGDONE.TNC to restore things

```
MTO all
MFROM all
```

/EX
SB SAT@AMSAT < W3IWI $ANS-047.03
RUSSIAN SATELLITE UPDATE
R:910217/1718z 43801@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

HR AMSAT NEWS SERVICE BULLETIN 047.03 FROM AMSAT HQ
SILVER SPRING, MD FEBRUARY 16, 1991
TO ALL RADIO AMATEURS BT

RS 12/13 to turn on soon, Software bug keeping AO-21 silent

The newly launched Russian satellite, RS-12/13, is scheduled to become operational in the 20-22 February time frame. If you are not already aware, RS12/13 is piggyback on COSMOS-2123 NAVSAT. The Soviet Space Agency is completing their final checkout of the COSMOS satellite and has requested that the Amateur Satellite not transmit during this time.

There was a brief initial checkout of the RS-12 beacon, robot and transponder immediately after launch and all seemed fine. Once testing on COSMOS-2123 has been done, it is expected that RS-12 will be become operational and final testing of RS-12/13 will be completed.

The transmitters for AO-21/RM1 remain turned off since a command station software problem was discovered. It appears that both satellite transmitters are turned on when the command for a single transmitter is issued. It is expected to take a few additional weeks to resolve this problem.

[ANS thanks Ray Soifer W2RS, and Pat Gowen, G3IOR for the information for this bulletin]

/EX
SB SAT@AMSAT < W3IWI $ANS-047.04
SIXTH ANNUAL AMSAT-UK COLLOQUIUM
R:910217/1718z 43802@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

HR AMSAT NEWS SERVICE BULLETIN 047.04 FROM AMSAT HQ
SILVER SPRING, MD FEBRUARY 16, 1991
TO ALL RADIO AMATEURS BT

AMSAT-UK Sponsors 6th Annual Satellite Colloquium at U. of Surrey.

AMSAT-UK is sponsoring a symposium focused on all OSCAR satellites and digital communications. Questions & Answer sessions with various Amateur Satellite experts are planned as are tours of the UoSat command station. As in years past, the University of Surrey will be the meeting place for this colloquium. The following is the preliminary "line-up" of programs planned for the week of July 25-28:

```
     Thursday  July 25th:     International Satellite Day
     Friday    July 26th:     Satellite Sessions
     Saturday  July 27th:     Satellite Sessions
     Sunday    July 28th:     Satellite Sessions
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For more details on the symposium, contact:


```
   Ron Broadbent, G3AAJ
    94 Herongate Road
      Wanstead Park
  London E12 5EQ England

  Tel: 081-989-6741
  Fax: 081-989-3430 (24 Hours)
```


Note that the telephone code for AMSAT-UK has changed. From the United States to call AMSAT-UK replace the 081 prefix with 011-44-81. Contact your long distance carrier for their international dialing instructions.

Check with your travel agent as soon as possible as many of the Airlines are offering very favorable rates to Europe.

Stay tuned to the AMSAT News Service for more details.

[ANS thanks Ron Broadbent, G3AAJ, and Eric Cottrell, WB1HBU, for the information for this bulletin]

/EX
SB SAT@AMSAT < W3IWI $ANS-047.05
OPERATIONS NET SCHEDULE
R:910217/1718z 43803@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

HR AMSAT NEWS SERVICE BULLETIN 047.05 FROM AMSAT HQ
SILVER SPRING, MD FEBRUARY 16, 1991
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule

AMSAT Operations Nets are planned for the following times.Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date	UTC	Mode	Phs	NCS	Alt.	U.S. day
24 Feb 91	0500	B	115	WB6LLO	N5BF	Saturday
02 Mar 91	1400	B	209	WB9ANQ	KA5SMA	Saturday
10 Mar 91	0315	J/L	166	WA5ZIB	WD0E	Saturday
17 Mar 91	0400	B	100	N5BF	WB6LLO	Saturday
23 Mar 91	1400	B	216	KA5SMA	WB9ANQ	Saturday

The Operations Net features guest speakers approximately every other week to provide up-to-the-minute information on topics of interest to various sorts of satellite users. Watch ANS for information on guest speakers and topics. On the 24 Feb 91 session, Eric Rosenberg, KD3Q, will be talking about his satellite DXpeditions and AMSAT electronic mail issues.

WA3NAN, the Goddard Space Flight Center radio club retransmits the Mode J/L (Mode B nets will not be retransmitted at this time) AMSAT Operations Nets on 147.450 FM for the Washington DC area amateur community. Questions from listeners can be patched from the club repeater (146.835 -) to AO-13 for the net.

For information on the amateur satellite program and how you can participate,
contact AMSAT-NA Headquarters at P.O. Box 27, Washington, DC 20044, phone
(301) 589-6062, or contact your local AMSAT Area Coordinator.

/EX
SB SAT@AMSAT < W3IWI $ANS-047.06
AO-13 TRANSPONDER SCHEDULE
R:910217/1718z 43804@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]

HR AMSAT NEWS SERVICE BULLETIN 047.06 FROM AMSAT HQ
SILVER SPRING, MD FEBRUARY 16, 1991
TO ALL RADIO AMATEURS BT

End of Eclipse Period Marks return to Original Winter Schedule

AO-13 TRANSPONDER SCHEDULE

```
  Mode-B : MA 000 to MA 165 |
  Mode-JL: MA 165 to MA 190 |
  Mode-LS: MA 190 to MA 195 |
  Mode-S : MA 195 to MA 200 | <= Mode B is Off - no swishing!
  Mode-BS: MA 200 to MA 205 | <= QRP on BS please.
  Mode-B : MA 205 to MA 256 |
  Omnis  : MA 240 to MA 060 |
```

This schedule is expected to continue through 27 March 91

The command team requests that you make a specific effort to use QRP on Mode
between MA 200 to 205. This is specifically to help those people who are
experimenting with Mode S.

The spacecraft attitude for AO-13 is:

               BLON = 209.5 and BLAT = 0.7 for 31 December 90

AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination to
support Mode-B transponder operations. The transponder may be used,
carefully, at all points of the orbit except MA 254 - 006 when eclipses occur.

If beacon or transponder signals show signs of FMing, users should cease all
transponder use immediately. An APPROXIMATION of the spacecraft attitude for
AO-10 is :

               BLON = 357   and BLAT = 3.0 for 9 February 91

/EX
SB RS12@AMSAT < UK3R $072101RK3KP
rs12/rs13 info
R:910216/0059z 43329@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]
R:910210/1614z 43094@4X1RU.ISR.EU
R:910209/1123z @:I5SGG.#FI.ITA.EU BID:072101RK3KP
R:910208/1946Z @SV1IW.ATH.GRC.EU #8969 [*Euro<>Asia* LINK - FBB5.11]
R:910208/1710 @:PA0SCH.NLD.EU Europe Asia Africa Link #:28348 Z:
R:910208/1036Z @SM5BKI.C.SWE.EU #16228 [BALSTA - FBB5.11d]
R:910208/0657z @DK0MWX [Langenfeld JO31LC, DL-VHF><HF-Port 20m OP:DL1WX]
R:910207/1021z @RK3KP [NORD><LINK MOSCOW, TheBox 1.6 OP: RA3APR]

de UK3R @ RK3KP

de UW3AX

"Cosmos-2123" navigational sattelite with RS12/RS13 transpoders

on the board was launched on February, 5, 1991 at 2.36.45 UT.
Preliminary orbital data: apogee - 1019.319 km, perigee -
960.638 km, inclination - 82.9293 degrees, period - 105 min, EQX
- 4 h 01 min 36 sec at 6.84 degrees east.

On February, 6 the Command station RS3A checked operation of
RS12 and find that everything is OK. Checking of RS13 was
postponed until February, 21 on the request of "Cosmos-2123"
main users.

Boris Stepanov, UW3AX @ RK3KP
"Ham in the Space" (USSR) project coordinator

7.02.91

/EX
SB MIR@AMSAT < UW3AX $112103RK3KP
u-mir qsl
R:910216/0100z 43364@W3IWI.MD.USA.NOAM [Balto/Wash MD/DC]
R:910213/1809z 43975@4X1RU.ISR.EU
R:910212/0830z @HB9GL [USKA Sektion Glarus, TheBox 1.6 [Sysop HB9CXN]]
R:910212/0814Z @DB0KCP [Langerringen FI64c Sysop DL4MEA & DL9MCK]
R:910212/0808z @DB0CZ [Deisslingen JN48HD TheBox 1.6b OP:DK5TB]
R:910212/0904l @DB0FRB [FREIBURG (FPRG) JN37WX DB 1.8 OP:DG7GF]
R:910212/0746z @DB0GE [BBS Saarbruecken]
R:910212/0742z @DB0LJ [TheBox<->TCP/IP Mittelrhein, JO30QJ, Op:DL5DI]
R:910212/0735z @DB0IZ [Solingen, JO31NE, Op: DG2EAT]
R:910212/0728z @DK0MWX [Langenfeld JO31LC, DL-VHF><HF-Port 20m OP:DL1WX]
R:910211/0740z @RK3KP [NORD><LINK MOSCOW, TheBox 1.6 OP: RA3APR]
de UW3AX @ RK3KP

de UW3AX @ RK3KP

Both voice and packet QSO's made by Soviet spase station "MIR"
current crew (U2MIR and U9MIR) can be confirmed by UW3AX. The
address is: Boris Stepanov, P.O.Box 679, 107207 Moscow, USSR.
For direct reply please enclose SAE plus IRC's or equivalent.
Please also have patience: no QSO comfirmattion can be made
before current crew will be back on the Earth (the expected
month is May).

All QSL's for previous U-MIR activity has been filled and sent
before March last year. This aplies only for those who sent QSL
to U-MIR. They were only some 25 % of logged contacts. UW3AX has
U-MIR logs for previous missions in hands and can confirm QSO's.

73 de Boris Stepanov, UW3AX

11.02.91

/EX